INTERNATIONAL SEARCH REPORT

Inter Ial Application No PCT/FR2004/050632

A. CLASSIF	H01J9/02 H01J1/304				
	International Patent Classification (PC) or to both national classification	on and IPC			
B. FIELDS	SEARCHED currentation searched (classification system followed by classification	symbols)			
IPC 7	HO1J	oymbow,			
Documentati	on searched other than minimum documentation to the extent that suc	ch documents are included in the fields sea	arched		
	ata base consulted during the international search (name of data base				
EPO-Int	ternal, PAJ, WPI Data, INSPEC, COMPEN	NDEX			
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C. DOCUME Category °	ENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the rele	vani passages	Retevant to claim No.		
Category	Old Control of Control				
x	US 5 973 444 A (XU ET AL)		1,3-5,		
	26 October 1999 (1999-10-26)		12,14, 16,18,		
Ì .	•		25-27,32		
	column 11, lines 23-35				
1	column 19, lines 48-67 column 16, lines 41-44; figures 4	,5			
	column 9, lines 27-61				
	column 14, lines 32-42 column 18, lines 34-67; figure 10				
Υ	column 15, line 60 - column 16, l	ine 10;	2,6-11,		
	figure 4		13,15, 17-21,		
			23,24,		
	the whole decument		28-31		
	the whole document				
	-	-/			
X Fur	Ither documents are listed in the continuation of box C.	X Patent family members are listed	in annex.		
Special ca	ategories of clied documents:	"T" later document published after the into or priority date and not in conflict with	ernational filing date		
A' document defining the general state of the art which is not considered to be of particular relevance considered to be of particular relevance invention					
	document but published on or after the International	"X" document of particular relevance; the	it be considered to		
which	ient which may throw doubts on priority claim(s) or his cited to establish the publication date of another	involve an inventive step when the co	ctaimed invention		
O, goonu	on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or	cannot be considered to involve an in document is combined with one or m ments, such combination being obvious	iore other such cocu-		
'P' docum	rmeans nent published prior to the international filing date but than the priority date claimed	in the art. *& document member of the same paten	•		
	e actual completion of the international search	Date of mailing of the international se			
	31 August 2005	04/10/2005			
<u> </u>	mailing address of the ISA	Authorized officer			
	European Patent Office, F.B. 5816 Patentlaan 2 NL - 2280 HV Rijswijk				
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INTERNATIONAL SEARCH REPORT

Int onal Application No PUI/FR2004/050632

C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ	FR 2 829 873 A (THALES) 21 March 2003 (2003-03-21) figure 7	17,18
Y	EP 0 951 047 A (CANON KABUSHIKI KAISHA) 20 October 1999 (1999-10-20) paragraph '0025!	2,10,13, 29,30
Y	US 5 559 389 A (SPINDT ET AL) 24 September 1996 (1996-09-24)	6-9,18, 20,21, 23,28,31
	column 1, lines 60-67 column 6, lines 5-32 column 9, lines 6-22 column 8, lines 5-8	20,20,01
Υ	WO 99/23680 A (COMMISSARIAT A L'ENERGIE ATOMIQUE; PERRIN, AIME; MONTMAYEUL, BRIGITTE;) 14 May 1999 (1999-05-14) Claim 8	6-9,18, 28,31
Υ	US 6 465 132 B1 (JIN SUNGHO) 15 October 2002 (2002-10-15) column 2, lines 31-49 column 10, lines 32-56	6-9,28, 31
Y	US 2003/143398 A1 (OHKI HIROSHI ET AL) 31 July 2003 (2003-07-31) paragraphs '0170!, '0163!	11,15,24
Υ	DAVYDOV D N ET AL: "Field emitters based on porous aluminum oxide templates" JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 86, no. 7, 1 October 1999 (1999-10-01), pages 3983-3987, XP012048750 ISSN: 0021-8979 page 3983, right-hand column, paragraph 4 - page 3984, right-hand column, paragraph 1	
Form POTAES	7210 (continuation of second chect) (anuary 2004)	

INTERNATIONAL SEARCH REPORT

-mformation on patent family members

Int nat Application No
PUI/r R2004/050632

					5.18.22
Petent document dited in search report		Publication date		Patent family member(s)	Publication date
US 5973444	A	26-10-1999	US US	5872422 A 6445006 B1	16-02-1999 03-09-2002
FR 2829873	A	21-03-2003	FR DE EP WO US	2829873 A1 60204476 D1 1436823 A1 03025966 A1 2004240157 A1	21-03-2003 07-07-2005 14-07-2004 27-03-2003 02-12-2004
EP 0951047	Α	20-10-1999	JP EP EP US US	2000031462 A 1378486 A1 1378487 A1 0951047 A2 6278231 B1 2001028872 A1	28-01-2000 07-01-2004 07-01-2004 20-10-1999 21-08-2001 11-10-2001
US 5559389	A	24-09-1996	US AU DE EP HK JP WO US US US US US US US US US US US US US	5462467 A 7677094 A 69421711 D1 69421711 T2 0717877 A1 0945885 A1 1015188 A1 9504900 T 9507543 A1 6515407 B1 5564959 A 5578185 A 5801477 A 5562516 A 5827099 A 5813892 A 5665421 A 5913704 A 6204596 B1 5851669 A	31-10-1995 27-03-1995 23-12-1999 09-03-2000 26-06-1996 29-09-1999 28-07-2000 13-05-1997 16-03-1996 04-02-2003 15-10-1996 26-11-1996 01-09-1996 08-10-1996 27-10-1998 29-09-1999 29-09-1999 20-03-2000 22-12-1999
WO 9923680	A	14-05-1999	FR EP WO JP	2770683 A1 1029338 A1 9923680 A1 2001522126 T	07-05-1999 23-08-200 14-05-199 13-11-200
US 6465132	B1	15-10-2002	NONE		
US 2003143398	A1	31-07-2003	JP WO	3502082 B2 0162665 A1	02-03-200 30-08-200